

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. **(Original)** A condensation heat exchanger associated with a gas or fuel burner (6), which comprises at least one bundle (2) of tubes, which bundle consists of one tube, or a group of tubes arranged end to end, forming a helical winding, in which the wall of the tube or tubes is made of a highly thermally conductive material and has a flattened oval cross section whose major axis is perpendicular, or approximately perpendicular, to that (X-X') of the helix, while the width of the gap separating two adjacent turns is constant and appreciably smaller than the thickness of said cross section, this bundle being mounted fixedly inside a gas-impermeable casing (1), means being provided for circulating a fluid to be heated up, in particular cold water, inside the tube or tubes constituting said bundle (2), this casing (1) having a sleeve (12) for the discharge of the burnt gases, this exchanger thus being arranged such that the hot gases generated by the burner (6) pass radially, or approximately radially, through said bundle via the gaps separating its turns, characterized in that, on the one hand, said casing (1) is made of heat-resistant plastic and in that, on the other hand, it contains means (5; 3-30) for mechanically retaining said bundle in its axial direction, these means being able to absorb the thrust loads resulting from the internal pressure of the fluid which circulates therein and which tends to deform the walls thereof, while preventing these loads from being transmitted to the casing (1).

2. **(Original)** The exchanger as claimed in claim 1, characterized in that it contains a temperature probe (9; 9') borne by said casing (1) which is able to shut down the burner when the temperature prevailing inside the casing, in the vicinity of this probe, exceeds a predetermined threshold.

3-19 **(Cancelled)**